

UTM - Unified Threat Management

Aneb jen HW nestačí

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Situation

Way to Simplify Network Operations

The events of the past more than year, have driven the need for organizations to adapt to the COVID-19 pandemic; and has accelerated digital transformation for many organizations even faster and further. The need to support remote workers has driven network operations teams to adopt agile network strategies supported by infrastructure automation.

Digital business requires agile networks, but 70% of enterprise networking activities are performed manually.

These data points help explain why <u>75% of network outages and performance issues</u> are the result of misconfiguration errors.

The percentage of network activities that will be automated will rise from 30% in early 2020 to 50% by 2023.

Key Federal Government Cybersecurity Trends and Challenges



NATION-STATE THREATS: The federal government is under attack by increasingly sophisticated nation-state cyber actors.



MISSION CONTINUITY: Downtime or latency in mission-critical applications and services can impact the lives of millions of citizens.



RESOURCE ALLOCATION: Flat or declining funding levels mean that agencies face dwindling resources, impeding the ability to update technology and retain skills workers.



INTEGRATION OF SECURITY INFRASTRUCTURE: Security based upon sliced point products degrades visibility, interoperability, and slows threat response.



TRANSITION TO CLOUD: Government agencies are looking to cloud services to increase efficiency and stretch their limited resources.



COMPLIANCE REPORTING: Manually documenting compliance consumes scarce resources and cybersecurity talent.



Key State and Local Government Cybersecurity Trends and Challenges



COST OPTIMIZATION: State and local governments operate with limited budgets, and resource allocation is prioritized based upon impact to constituents.



TARGETED THREATS: State and local governments have been a major target of ransomware, which impacts their ability to provide critical services.



DIGITAL GOVERNMENT TRANSFORMATION: Governments' move to the cloud and deployment of Internet-of-Things (IoT) sensors on critical infrastructure creates new security challenges.



INTEGRATION OF SECURITY ARCHITECTURE: Security based upon sliced point products degrades visibility and slows threat response.



MAINTAINING COMPLIANCE: Regulations regarding personal information, critical information protection, and environmental standards all require time-consuming compliance efforts.



SECURE TELEWORK: Few state and local governments are equipped to support large-scale telework, as required for disaster recovery plans.

Key Higher Education Cybersecurity Trends and Challenges



REACTIVE RISK: Tight budgets, change management processes, and a desire to protect students' free expression create reactive security.



GROWING ATTACKS: Student-owned connected devices and a growing use of cloud computing expand the institutional attack surface.



INSIDER THREATS: Attackers take advantage of higher education's support of free expression to launch attacks that threaten it.



RATIONALIZING IT OPERATIONS: Addressing individual threats results in an array of point security products that is complex to operate and maintain.



COMPLIANCE: Institutions must ensure and demonstrate that student data is protected in accordance with a number of regulations.

Key Healthcare Cybersecurity Trends and Challenges



NETWORK LATENCY: Encryption of Electronic Protected Health Information (ePHI) is necessary for regulatory compliance but impacts availability of data for patient care.



DATA INTEGRITY: Incorrect or incomplete medical data can impact patient health and cause clinical risk.



OPERATIONAL EFFICIENCY: Digital innovations secured by point products impact operational efficiency.



PHYSICAL DISTRIBUTION OF SITES AND PARTNERS: Sprawling healthcare organizations must monitor and secure ePHI flowing across their networks.



COST: As insurance and government reimbursement program payments decline, healthcare organizations must operate with tighter budgets.

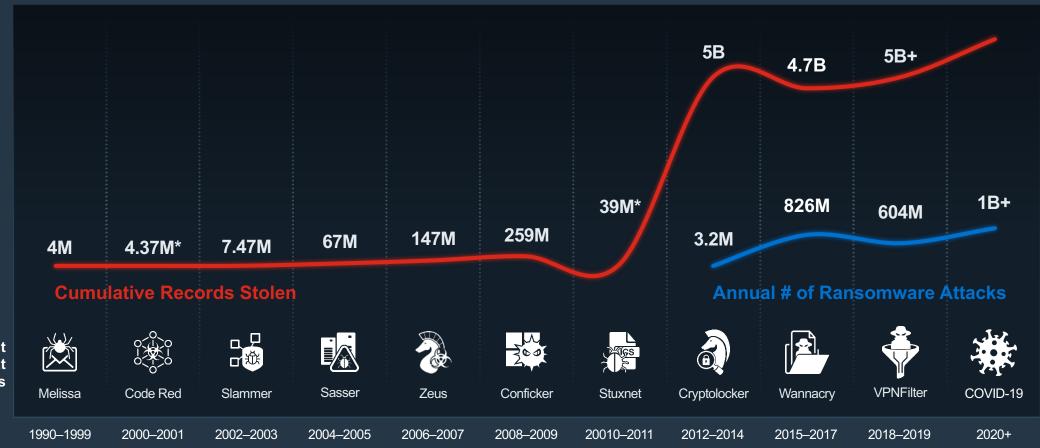


COMPLIANCE REPORTING: Healthcare organizations must protect a variety of sensitive data in accordance with a patchwork of privacy laws and regulations.



Advanced Threats Continue to Adapt

Even advanced threats still rely heavily on social engineering









Digital Innovation is Also Causing Increased Risk

Cyber threats take advantage of the disruption



Sophisticated Threats

Breach and ransomware incidents continue to increase



Digital Attack Surface

As the perimeter expands, billions of "Security Edges" are formed



Ecosystem Complexity

Too many vendors and too many alerts, **not** enough skilled people



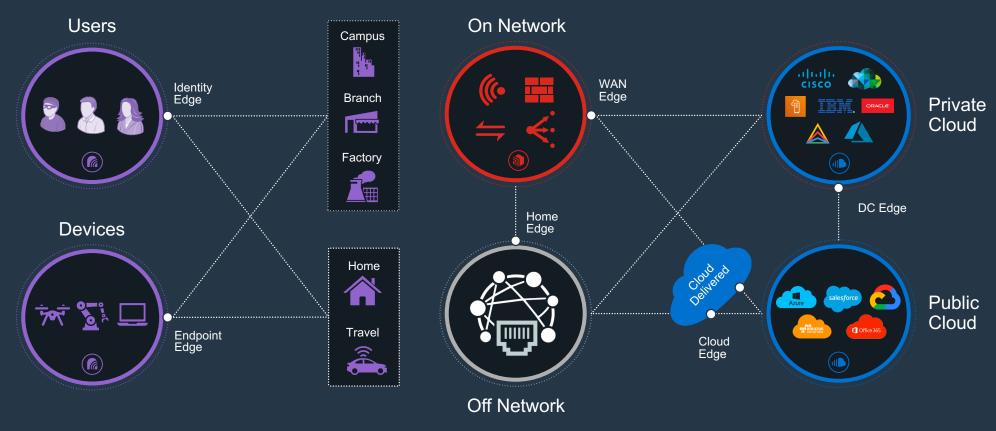
Compliance

Global, country, province, industry, and government regulation



Numerous Edges Must Be Secured and Protected







Fortinet Technology Vision

Fortinet Security Fabric

Converged

Networking + Security delivered by:



Appliance (ASIC)



Virtual Machine



Cloud Delivery

Security Anywhere Costs Reduced

Platform

That protects:



Users and Devices



Networks



Applications and Cloud

Operational Efficiency Automated Response

Al-driven

Automation for:



Security
Operations (SoC)



Network
Operations (NoC)



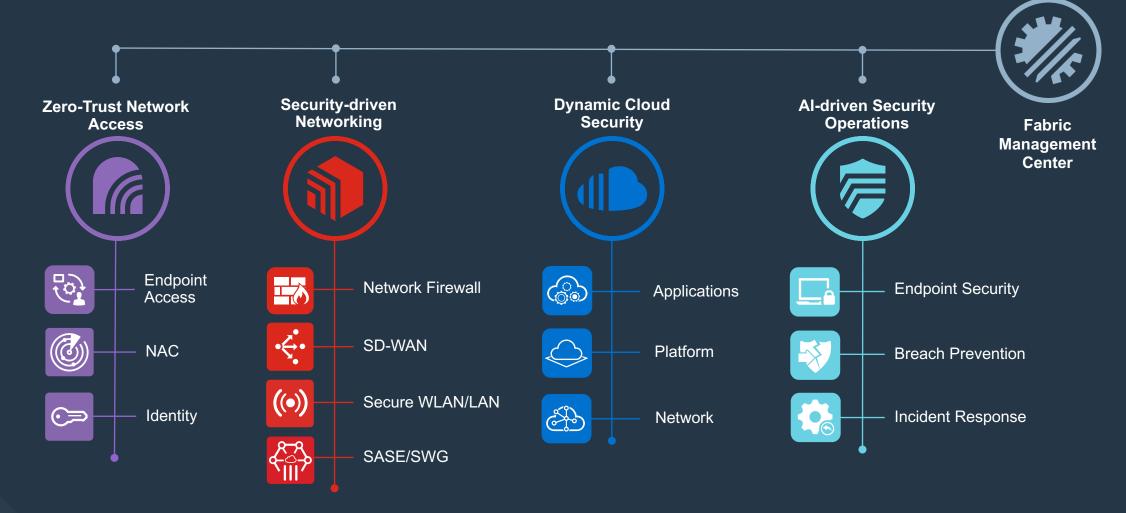
Open Ecosystem

Predictive Security
Optimized User Experience



Fortinet Cybersecurity Platform

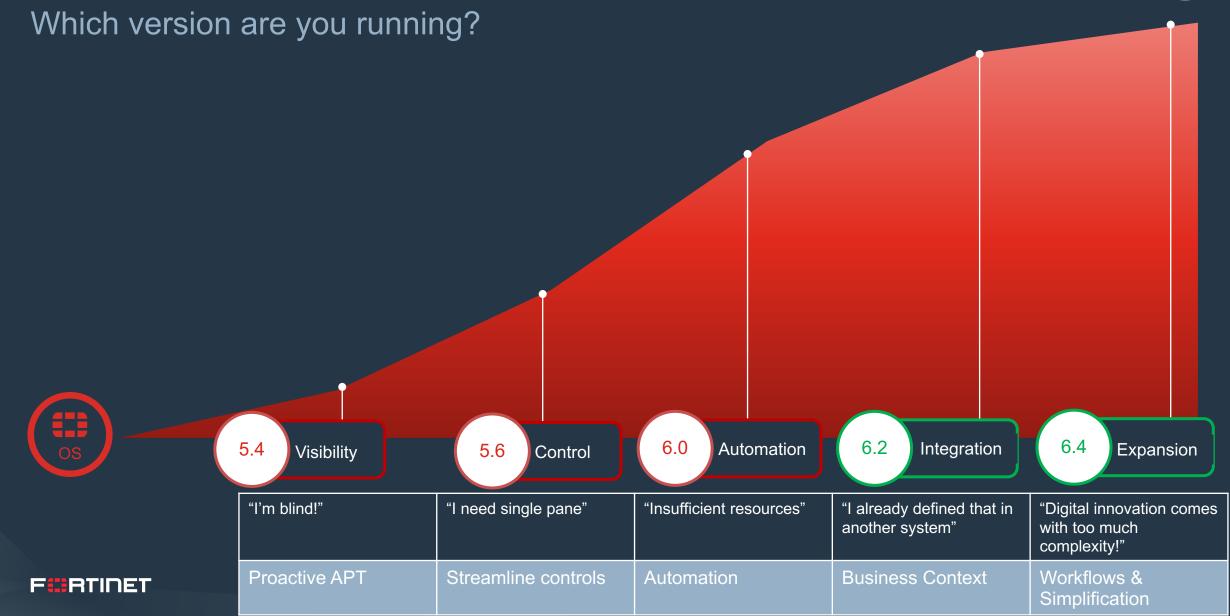
Enterprise Security Fabric





Evolution of the Security Fabric







FortiGuard Labs and how it works

Visibility + Innovation = Actionable Threat Intelligence

FortiGuard Labs Overview

CTA feeds

ACTIONABLE THREAT INNOVATION VISIBILITY INTELLIGENCE Telemetry Network Web **Application Anti-Virus** Control **Filtering** Sandbox **SECURITY** Email **B FABRIC** 010011 1010 CERTS **Endpoint PROTECTIONS Fortinet** Anti-**Endpoint** Indicators of AI / Machine Distribution **Spam Vulnerability** Compromise (IoCs) Learning **Network Enforcement Partnerships FortiGuard** Zero-Day **PROACTIVE** Labs RESEARCH Security Threat Intel **Playbooks Blogs Signals Federated OSINT Detection and Machine** protection in Learning milliseconds



Trusted

Partnerships

Penetration

Testing

Phishing

Service

THREAT CONSULTING

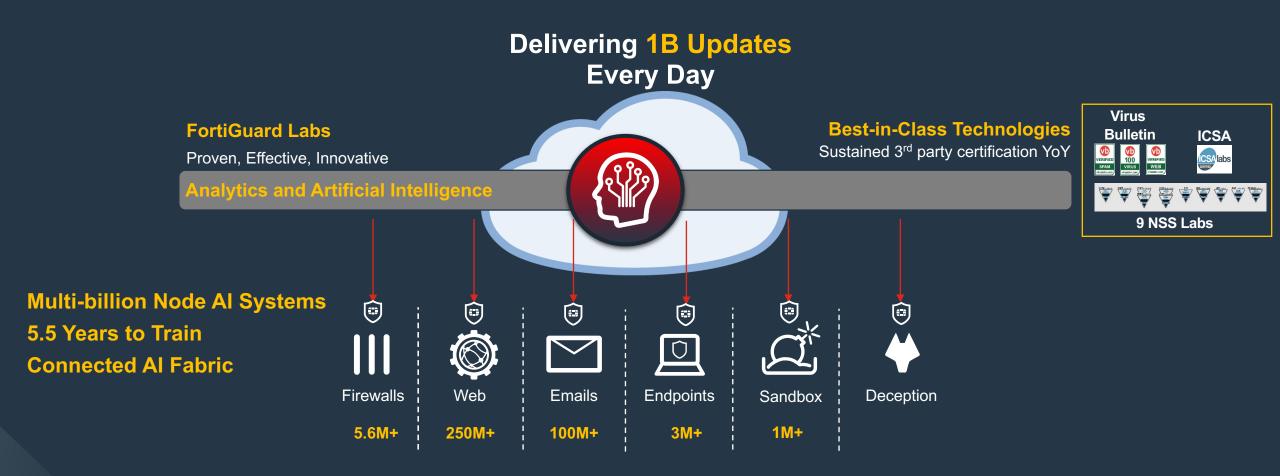
SERVICES

Incident

Response

Innovation

Al and ML Driven Detection and Protection





Actionable Threat Intelligence – Q2 2020



















FortiCare Advanced Support

Flexible Right-sized Options



24x7 Support

Around the clock support. Firmware updates. FortiGuard dynamic policies subscriptions



Advanced Support Engagement Support Engineer designated to document customer support plan. Faster resolution with higher ticket servicing & SLA. Flexible Points for complementary services



Premium RMA

Next-day RMA and delivery. 4-hour RMA and delivery with option for physical swaps via engineer on-site. Secure RMA for self-disposing old parts (no returns to Fortinet needed)



Professional Services & Resident Engineer

Deployment, migration, and integration. Standard and Custom Statement of Work (SOW). Resident Engineers to augment staffing needs onsite or remote



Support, Subscriptions and Bundles

Summary: FortiGuard Subscriptions & Bundles

Enterprise Protection is critical for OT & Compliance Projects

Attach 360 Protection of any Secure **SD-WAN Projects**

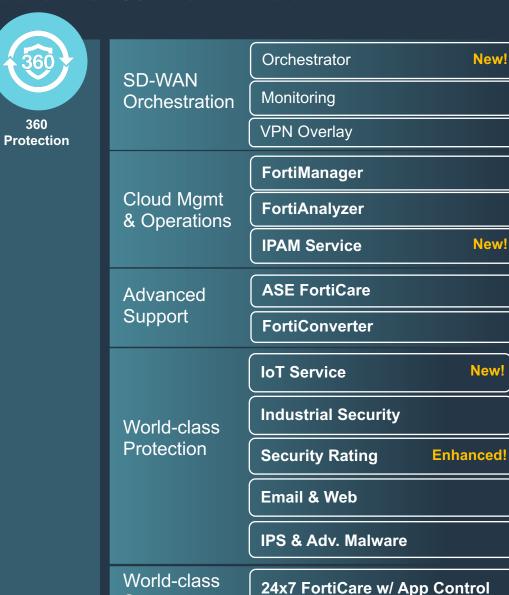
FortiCloud Premium is necessary for 3 all FMG Cloud and FAZ Cloud Access







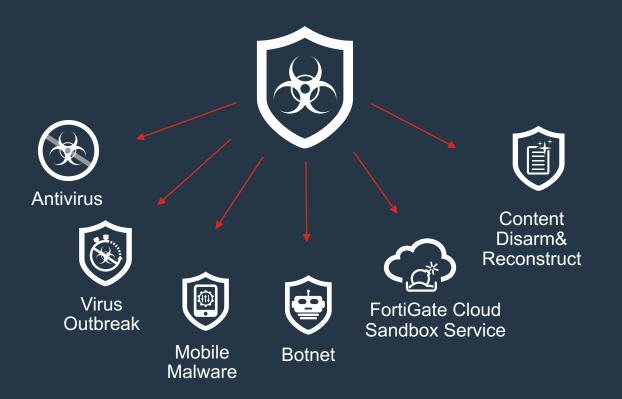




Support

Advanced Malware Protection (AMP)

Most Advanced Core Security Protection Package



CAPABILITIES

- Cloud sandboxing for unknown threats
- Detection between AV signature updates
- Strip all active content from files in real-time
- Automated content updates & latest malware and heuristic detection

BUSINESS BENEFIT



Core Cutting-edge protection capabilities that defend against known and emerging threats managing risk



Advanced Threat Protection (ATP)

Threat Protection against known and unknown threats







IPS



Application Control

CAPABILITIES

- Provides granular control to block access to unauthorized and risky application
- Visibility and control over application usage
- Protect against known and zeroday vulnerabilities
- Virtual patch through IPS signatures

BUSINESS BENEFIT



Protect business-critical applications and assets



Unified Threat Protection (UTP)

Pure Next-Generation Firewall Security Package









CAPABILITIES

- Protection against threats delivered through email
- Block access to malicious and unauthorized websites
- Granular controls and multiple categories to define policy constructs

BUSINESS BENEFIT



Protect against the latest attacks from all vectors to minimize business disruption

Enterprise Protection (ENT)

Deliver Compliance & OT Protection









Industrial Security



FortiConverter Service



IoT Detection

CAPABILITIES

- Provide visibility into security posture based on CIS and NIST Control benchmarks
- Identify most of the common ICS/SCADA protocols for granular visibility and control
- Ability to automatically discover and segment IoT devices based on FortiGuard intelligence, and enforce appropriate policies
- One-Time Configuration Migration Service

BUSINESS BENEFIT



Protect the entire attack surface and delivers compliance and risk management

360 Protection















What's Included:

- 1. Cloud-Based Network Management for SD-WAN and other projects
- 2. Analytics, Orchestration & **Automation** for SD WAN Network Management
- 3. 24x7x365 ASE FortiCare Advanced Support Ticket handling and RMA Service

Helps:

- Self-Service Customers to reduce risk. improve TCO and increase efficiency
- Mid-Market MSSPs to offer the most comprehensive security & operational services to their customers
- Bundle **Priced 100%** per FortiGate subscription

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